

EPA Region 5 Records Ctr.



226958



cc: Vernetz Simon - USEPA
Vern Rogers - VRA E.C.
Vince Olskiewicz - BM

8/24/93

26

August 24, 1993

Mr. James Stoller
Vice President
Management & Development
Chicago Dock and Canal Trust
455 E. Illinois St., Suite 565
Chicago, IL 60611

RE: Summary of Dosimeter Readings, Parking Attendant Booths, from the block bounded by Illinois, Columbus, McClurg and Grand Streets, Chicago, Illinois -- STS Project No. 27313-YH

Dear Mr. Stoller:

In response to concerns regarding potential radiation exposure at the above-referenced site, STS installed radiation monitoring devices. Two types of monitoring devices were installed. Both devices were installed on the under side of the counter in the parking attendant booths. To allow direct correlation with USEPA monitoring, STS installed Thermo Luminescent Detectors (TLDs), July 12, 1993. The TLDs were manufactured by Seimens measuring in a range from 10 to 1000 mRem. These were removed August 16, 1993 and submitted for analysis. Results are expected in approximately one week.

STS also installed quartz fiber pencil dosimeters (sensitive to gamma and x-ray radiation). The dosimeters are Model 862, manufactured by Dosimeter Corporation, with a range of 0 to 200 mRem. The following table presents the results of STS reading the dosimeters over the permit from July 7, 1993 when they were installed to August 16, 1993 when they were removed.

Dosimeter Readings - Milli-Roentgens (mRem)

Chicago Dock and Canal Trust Property
Columbus/Grand/McClurg/Illinois

	<u>7/7</u> (installation)	<u>7/12</u>	<u>7/21</u>	<u>8/1</u>	<u>8/13</u>	<u>8/16</u>
North Booth (Grand Ave.)	0	2.5	4	8.5	10	10
South Booth (Illinois St.)	0	5	8	11	15	17

STS Consultants Ltd.
Consulting Engineers

111 Pfingsten Road
Northbrook, Illinois 60062
708.272.6520/Fax 708.498.2721



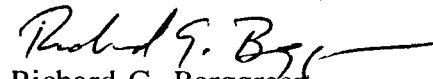
The duration of the dosimeters on site (40 days or 960 hrs.) and the readings measured indicate an exposure rate at the Illinois Street booth of 17 mRem/960 hr., approximately equal to 0.018 mRem/hr. At the Grand Avenue booth, the rate measured was 10 mRem/960 hrs., approximately equal to 0.010 mRem/hr.

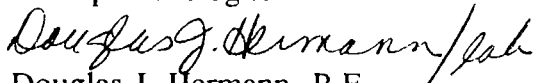
In our opinion, these levels are not indicative of a significant risk at the locations where the measurements were taken.

Please contact us with any questions you may have regarding this matter, or if we may be of further service.

Regards,

STS CONSULTANTS, LTD.


Richard G. Berggreen
Principal Geologist


Douglas J. Hermann, P.E.
Vice President

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